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|--|---|--|---|---|--|--|
| 1. REPORT DATE DEC 1967 | 2. DEDODE TYPE | | | 3. DATES COVERED 00-00-1967 to 00-00-1967 | | |
| 4. TITLE AND SUBTITLE | | | | 5a. CONTRACT NUMBER | | |
| Lectotype Assignments for Several Species of the Genus Culex in Southeast Asia (Diptera: Culicidae) | | | | 5b. GRANT NUMBER | | |
| | | | | 5c. PROGRAM ELEMENT NUMBER | | |
| 6. AUTHOR(S) | | | | 5d. PROJECT NUMBER | | |
| | | | | 5e. TASK NUMBER | | |
| | | | | 5f. WORK UNIT NUMBER | | |
| 7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) Smithsonian Institution, Department of Entomology, Southeast Asia Mosquito Project, Washington, DC, 20560 | | | | 8. PERFORMING ORGANIZATION REPORT NUMBER | | |
| 9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES) | | | | 10. SPONSOR/MONITOR'S ACRONYM(S) | | |
| | | | | 11. SPONSOR/MONITOR'S REPORT NUMBER(S) | | |
| 12. DISTRIBUTION/AVAII Approved for publ | ABILITY STATEMENT ic release; distributi | on unlimited | | | | |
| 13. SUPPLEMENTARY NO | OTES | | | | | |
| 14. ABSTRACT | | | | | | |
| 15. SUBJECT TERMS | | | | | | |
| 16. SECURITY CLASSIFICATION OF: | | | 17. LIMITATION OF ABSTRACT | 18. NUMBER OF PAGES | 19a. NAME OF RESPONSIBLE PERSON | |
| a. REPORT unclassified | b. ABSTRACT unclassified | c. THIS PAGE unclassified | Same as Report (SAR) | 2 | | |

Report Documentation Page

Form Approved OMB No. 0704-0188 Reprinted from
Proceedings of the Entomological Society of Washington
Vol. 69, No. 4, December 1967, pp. 327–328
Made in United States of America



LECTOTYPE ASSIGNMENTS FOR SEVERAL SPECIES OF THE GENUS CULEX IN SOUTHEAST ASIA

(DIPTERA: CULICIDAE)1

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During the summer of 1966, visits to European institutions with the purpose of studying types and other specimens of the mosquito genus *Culex* from Southeast Asia revealed the need to designate lectotypes for a number of species. Most of the lectotype assignments are included in Bram (Cont. Amer. ent. Inst. 2(1):1–296, 1967); however, the following species are not known to occur in Thailand and must, therefore, be treated independently.

Culex (Culex) alis Theobald (Monograph of the Culicidae 3:167, 1903). Lectotype hereby designated: syntype male (terminalia slide mounted), "Xmas Is., 13. XII. 02," [Christmas Island, Australian dependency], in the British Museum (Natural History).

Culex (Culex) christophersii Theobald (Monograph of the Culicidae 4:453, 1907). Lectotype hereby designated: syntype male (terminalia mounted and attached to pin), "India, Christophers, recd. from F. V. Theobald, 1907–29," in the British Museum (Natural History). Examination of the lectotype confirms the action of Barraud (The Fauna of British India, Diptera 5:420, 1934) in placing this name in synonymy with Culex (Culex) fatigans Wiedemann (= pipiens quinquefasciatus Say).

Culex (Culex) quasipipiens Theobald (Monograph of the Culicidae 2:136, 1901). Lectotype hereby designated: syntype female, "99, Sambalpur, Central Provinces, India, D.O'C. Murphy," in the British Museum (Natural History). Examination of the lectotype confirms the action of Barraud (op. cit.) in placing this name in synonymy with Culex (Culex) fatigans Wiedemann (= pipiens quinquefasciatus Say).

 $^{^1\,\}rm This$ work was supported by Research Contract No. DA-49–193–MD-2672 from the U. S. Army Research and Development Command, Office of the Surgeon General.

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Culex (Culiciomyia) shebbearei Barraud (Indian J. med. Res. 12:19, 1924). Although no type labels had been affixed to any specimens of this species in the British Museum collection, there are four specimens (2 & &, 2 & Q) with the precise data as that given in Barraud's original description. There is little doubt that these four specimens represent at least part of the original type series and that the following lectotype assignment is valid. Lectotype hereby designated: male (terminalia slide mounted), "E. Himalayas: Kurseong, 4500 ft., Bred, IX 1922, P. J. Barraud, B. M. 1930.446," in the British Museum (Natural History).

Culex (Culiciomyia) viridiventer Giles (J. Bombay nat. Hist. Soc. 13:609, 1901). Lectotype hereby designated: syntype male (terminalia mounted and attached to pin), no data other than the syntype and lectotype labels, in the British Museum (Natural History).

Culex (Culiciomyia) angulatus Theobald (Monograph of the Culicidae 2:324, 1901). Lectotype hereby designated: syntype female, "Naini Tal, N. W. P., Col. Giles," in the British Museum (Natural History). Comparison of this lectotype with the type series of viridiventer confirms the acton of Edwards (Bull. ent. Res. 4:235, 1913) in placing angulatus in synonymy with viridiventer.

Culex (Acalleomyia) obscurus (Leicester) (The Culicidae of Malaya:194, 1908). Lectotype hereby designated: cotype female, "Kuala Lumpur, Fed. Malay States, Dr. G. F. Leicester, 1912–35, 18/7/04, A," in the British Museum (Natural History). The lectotype was selected from a series of four cotype females and one cotype male. Unfortunately the cotype male is badly damaged and the terminalia has been removed but is apparently lost.

Culex (Lophoceraomyia) flavicornis Barraud (Indian J. med. Res. 12:45, 1924). Lectotype hereby designated: type male, "S. India: Nilgeor Hills, Oct. 1915 (Khazan Chand), Capt. P. J. Barraud, B. M. 1926–262," in the British Museum (Natural History).

Culex (Lophoceraomyia) jenseni (de Meijere) (Ann. bot. Gdn. Buitenz. Suppl. 3:922, 1910). Although no type labels were affixed to any specimens, series of specimens with precise data as indicated in the original description and which are undoubtedly syntypes have been deposited in both the Zoological Museum, Amsterdam University, Amsterdam and in the Rijksmuseum van Natuurlijke Historie, Leiden. Stone, Knight, and Starcke (A Synoptic Catalog of the Mosquitoes of the World (Diptera: Culicidae):234, 1959) listed the location of the type (sex and number not specified) as the "Rijksmuseum, Amsterdam," Stone (Proc. ent. Soc. Wash. 65:139, 1963) subsequently corrected this to "Division of Entomology, Zoological Museum, Amsterdam University," Colless (I. med. Ent. 2:303, 1965) listed the location of the type male as "Rijksmuseum." However, Colless (pers. comm.) copied this location from Stone, Knight, and Starcke (op. cit.) without reference to the corrected version in Stone (op. cit.). Considering this confusion, it is felt that the best procedure is to designate a lectotype as follows: syntype male (terminalia mounted and attached to pin), "Java, Tjibodas, uit Nepenthes, Jensen, 1909, No. 32," in the Zoological Museum, Amsterdam University.

Acknowledgment is made to Dr. P. F. Mattingly for permitting examination of specimens in the British Museum (Natural History); Dr. C. A. W. Jeekel for help at the Zoological Museum Amsterdam University; and Dr. P. J. van Helsdingen of the Rijksmuseum van Natuurlijke Historie.